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TITLE: TIRE UNIFORMITY MEASURING DEVICE

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INVENTOR-INFORMATION:

NAME

TAKAYANAGI, SHIGEO

HASEGAWA, JUNZO

HAYASHI, YASUYUKI

DOI, SHUNICHI

MATSUSHIMA, SATORU

ASSIGNEE-INFORMATION:

NAME

COUNTRY

TOYOTA CENTRAL RES & DEV LAB INC N/A

TOYOTA MOTOR CORP N/A

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ABSTRACT:

PURPOSE: To eliminate the influence of the lateral force of a tire and to detect only the fluctuations in radial load with good accuracy by making the moment due to the lateral force of the tire acting upon the contact surface between the tire and a drum zero.

CONSTITUTION: A drum 1 rotates a specimen tire T. A movable member 3

supports a revolving shaft to be stuck with the tire rotatably and changes the position of the part supporting the revolving shaft according to the load acting upon the drum and the specimen tire. A load applying means 4 applies prescribed loading load beforehand upon the specimen tire by changing the inter-shaft distance between the drum 1 and the revolving shaft when the drum 1 is moved. a displacement detecting means 5 detects the change in the revolving shaft changing according only to the fluctuations in the radial direction of the tire as displacement of the movable member. A display means 6 displays the fluctuations in the radial load of the specimen tire according to the displacement of the member 3.

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